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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/052,119

01/17/2002

Rangamani Sundar

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09/26/2005

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EXAMINER

MEHRPOUR, NAGHMEH

ART UNIT

PAPER NUMBER

2686

DATE MAILED: 09/26/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/052,119

Applicant(s)

SUNDAR ET AL

Examiner

Naghmeh Mehrpour

Art Unit

2686

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 4/8/02.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

**Information Disclosure Statement**

1. The information disclosure statement filed reference listed in the information Disclosure Submitted on 04/08/02 have been considered by the examiner (see attached PTO-1449

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-4, are rejected under 35 U.S.C. 102(e) as being anticipated by Sundar et al. (US Publication 2003/0134636 A1).

Regarding claim 1, Sundar teaches a method of providing a wireless wide area network (WWAN) service to a mobile station serviced in a wireless local area network (WLAN), comprising:

provisioning a MSC to serve the WLAN (0081);

the MSC that serves the WLAN receiving WWAN messages that provide the WWAN service (0081);

the MSC forming SIP messages using the received WWAN messages (0081);

the MSC delivering the SIP messages to the WLAN via an IP link (0081);

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the WLAN delivering the SIP messages to the mobile station via a WLAN air interface protocol (0084).

Regarding claim 2, Sundar teaches a method of claim 1 wherein the WWAN service is a Short Message Service (SMS) and wherein the WWAN includes a SMS Center for delivering SMS messages on the WWAN and wherein the MSC forms SIP Invite messages with SMS payload and delivers said SIP Invite messages to the WLAN (0078, 0086).

Regarding claim 3, Sundar teaches a method of claim 1 wherein the WWAN service is a Message Wait Notification (MWN) and wherein the WWAN provides MWN messages to the WWAN and wherein the MSC forms SIP Invite messages with MWN information and delivers said SIP Invite messages to the WLAN (0081, 0088).

Regarding claim 4, Sundar teaches a method of claim 1 wherein the MSC that services the WLAN and an MSC servicing the WWAN cooperate to provide TFO call services between a mobile station operating in the WLAN and a mobile station operating in the WWAN (0066, 0072, 0071).

#### **Conclusion**

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

**McIntosh** (US Patent Number 6,658,259 B2) disclose wireless network having a virtual HLR and method of operating the same

**Lucidarme et al.** (US Patent Number 2003/0186678 A1) disclose method for monitoring communications in a cellular radio communication system and network core

**Lu et al.** (US Patent Number 6,694,134 B1) disclose terminal device emulator

**Hyvarinen et al.** (US Patent Number 2002/00885540 A1) disclose telecommunication service provision in multi-network wireless telecommunication system

5. **Any responses to this action should be mailed to:**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Naghmeh Mehrpour whose telephone number is 571-272-7913.

The examiner can normally be reached on 8:00- 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold be reached (571) 272-7905.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

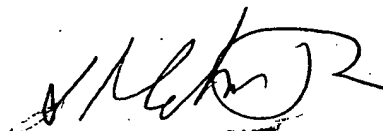
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Sept 21, 2005

  
**VELODYNE POUR  
PATENT EXAMINER**